



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application No.: 10/570835 Confirm. No.:  
Filing Date: 3/3/2006  
Inventor: Joachim ARZT et. al.  
Title: EXTRACORPOREAL ORGAN CONSERVATION  
Art Unit:  
Examiner:  
Attorney Docket No.: 06-022

---

To: Commissioner for Patents  
Mail Stop: PCT  
P. O. Box 1450  
Alexandria, VA 22313-1450

**Information Disclosure Statement for Non-English Language References**

An Information Disclosure Statement, PTO Form PTO/SB/08, filed concurrently with this paper, lists four prior art references. Reference 4 is in the English language and requires no further comments.


Reference 1 is an application publication of German Application DE 43 42 728 A1 and discloses a method, equipment, and perfusion solutions for the preservation of isolated organs, in particular, isolated human liver. The perfusion solutions contain a watery fatty emulsion, as well as a perfluorocarbon emulsion for the oxygen supply. FIG. 1 shows a liver (11) submerged in a bath of perfusion solution. Oxygen is supplied to the solution by the oxygen tank (4).

Reference 2 is an application publication of German Application DE 100 15 807 A1, which discloses a method and equipment for preserving the vitality of organs, limbs, and tissue lobes by perfusion. The method uses an extracorporeal circulation system

that includes a perfusate circulation system and a dialysate circulation system. The two systems are coupled by a semipermeable membrane (3). The perfusate circulation system supplies the organs, limbs, tissue lobes with oxygen-rich, arterial perfusate and cleans the venal perfusate. The dialysate coming from the membrane (3) is oxygenated in the dialysate circulation system and cleaned of metabolic waste, and then returned to the membrane (3). According to the invention, the pressure difference between the perfusate circulation system and dialysate circulation system is periodically raised and lowered, such that periodically the pressure between the two circulation systems changes. This promotes an exchange across the membrane (3) and improves the performance of the equipment with regard to preserving vitality.

Reference 3 is an application publication of European Patent Application EP 1 062 870 A2, which discloses a perfusion system for human or animal organs or body parts (14), particularly, the liver. The perfusion system includes equipment for supplying blood to the organs or body parts, and at least one receptacle (10) for the organs or body parts. The receptacle (10) includes an outer sack (11) and an inner sack (13), whereby the inner sack encloses the organ or body part and is then stored in the liquid-filled outer sack (11).

Respectfully submitted,



Date: May 19, 2006

Patricia M. Mathers  
Attorney for Applicants  
Reg. No. 44,906  
Bohan, Mathers & Associates, LLC  
P. O. Box 17707  
Portland, ME 04112-8707  
Tel: 207 773 3132



Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449/PTO

(Use as many sheets as necessary)

Sheet	1	of	2
-------	---	----	---

**Complete if Known**

Application Number	10/570,835
Filing Date	March 3, 2006
First Named Inventor	Joachim Arzt
Art Unit	
Examiner Name	
Attorney Docket Number	06-022

## U. S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

**Examiner  
Signature**

Date  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

**If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.**

06-022

***If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.***